



STRATEGY SERIES® II 8" IN-CEILING 70.7V/100V OR 8 OHM SPEAKER SYSTEM

FAP82T

One



FAP82T

FEATURES

- High efficiency 8" driver
- Extended low frequency response from the optimally tuned and ported deep drawn galvanized steel enclosure (937 cubic inches)
- 60 watt enhanced quality 70.7V/100V internal transformer minimizes insertion loss and maintains low frequency
- Front mounted tap selector switch for easy system tuning adjustments (1.9W to 60W @ 70.7V plus 8 ohm setting)
- Unique "trap door" input section allows for through conduit runs with rigid or flex conduit
- 4 Pole detachable "phoenix" style connector allows easy pre-wiring and is convenient for daisy chaining additional Strategy full range speakers or subwoofers
- "Press-fit" grille to better blend into contemporary architecture
- Ships complete with speaker/transformer factory assembled into back can, grille and unique C-ring/V-rail mounting hardware
- May be pendulum mounted via top mounted eyebolt (included). Enclosure is also finished in white for optimum aesthetics when hung in open ceiling applications
- UL1480 & UL2043 pending



Power Tap Settings

APPLICATIONS

The Atlas Sound FAP82T is a premium performance 70.7/100V tuned & ported 8" coaxial ceiling speaker system perfectly suited for many business music and public address applications –especially applications where high ceilings require loudspeakers with increased efficiency and tighter pattern control. The 8" coaxial speaker system features extended low frequency response rivaling that of many subwoofers.

The FAP82T will satisfy the needs of owners, architects, contractors, and consultants by delivering true, high fidelity sound reproduction in an attractive and easy-to-install system. The FAP82T is ideal for high-intelligibility voice, music, and signal reproduction in commercial, industrial, and institutional applications.

Easy Install Wiring Connection



GENERAL DESCRIPTION

The FAP82T's 100 degree dispersion angle (in the 2kHz octave band) is perfect for higher ceiling applications where tighter pattern control is required. Tight pattern control (not exceeding 100 degrees) is important for high ceiling applications. Loudspeakers exhibiting wider dispersion than 100 degrees will exceed 6dB of drop off at the edge of the coverage pattern causing excessive SPL variances. Using more of the same wide coverage speaker in a high ceiling application to compensate only worsens the situation, as comb filtering from multi-path arrivals will result. For more information please review our white paper "The Limitations of Wide Dispersion" on our website www.AtlasSound.com



FAP82T
Shown with Grille

The loudspeaker component matches is based on the performance of the legendary Atlas Sound FA series drivers. High quality construction 1" voice coil, 8" coaxial cone type driver includes polypropylene cone with a butyl rubber surround. The 19mm coaxially mounted tweeter is constructed of PEI. A high sensitivity of 90dB average means less power may be required to achieve the desired SPL. This loudspeaker is factory assembled to an optimally tuned & ported deep drawn enclosure and includes a specially designed 60 watt low saturation 70.7V/100V transformer. A convenient front mounted selector switch allows tap selection without the need to remove the speaker from the ceiling. This tap selector switch also includes a transformer bypass setting for instances where the 8 ohm FAP82T driver is to be direct coupled with a low impedance amplifier.

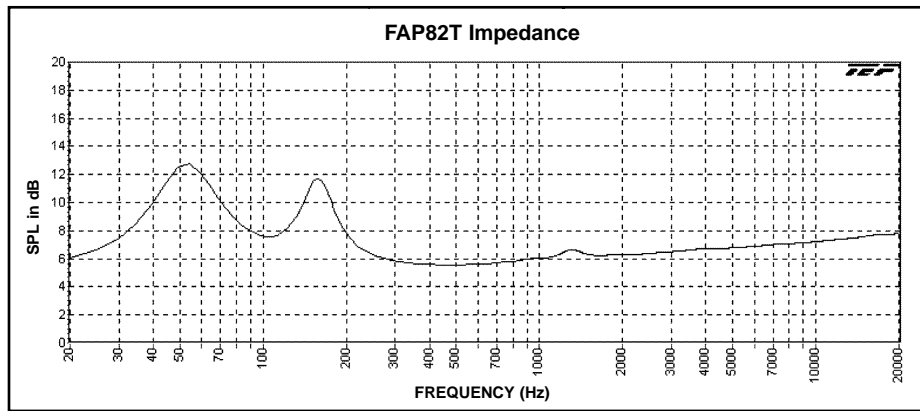
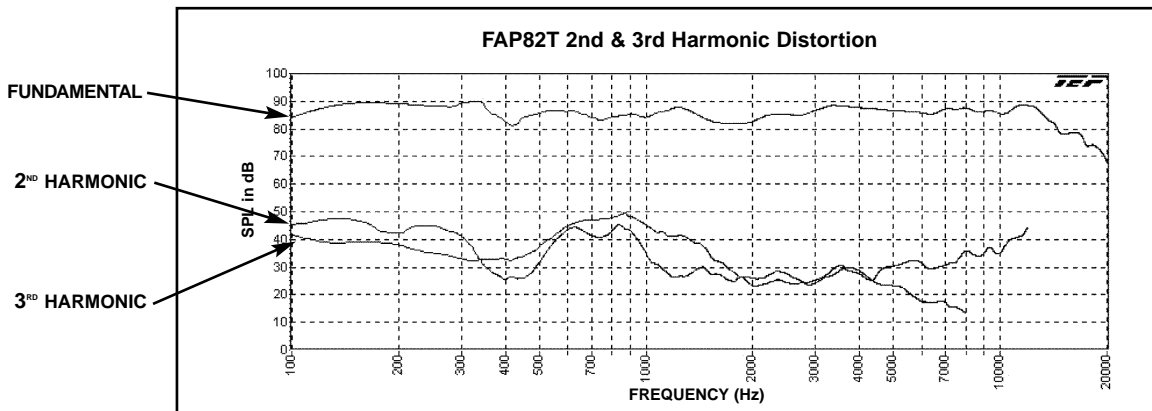
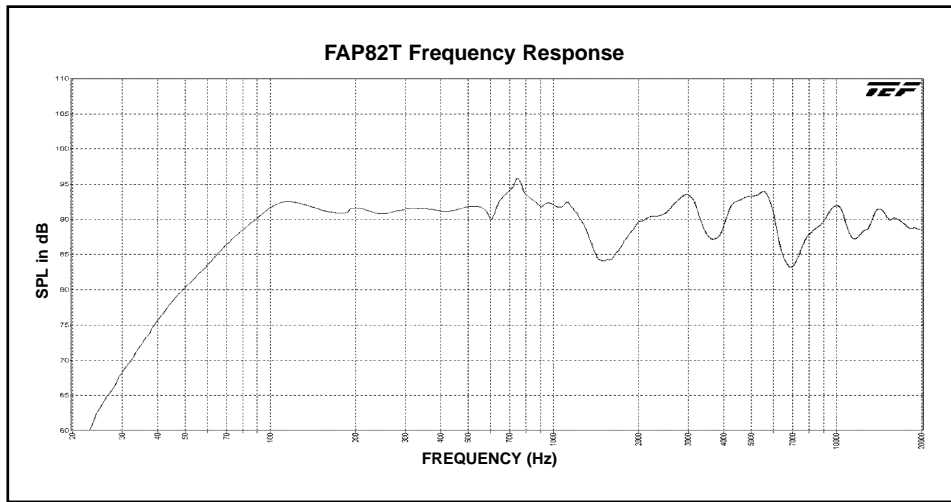
PERFORMANCE SPECIFICATIONS BY MODEL										
MODEL	POWER RATING	70.7V TAPS RESPONSE (±5dB)	FREQUENCY	SENSITIVITY (1W/1M)	WOOFER	WOOFER MAGNET WT	HF DRIVER	OVERALL DIMENSIONS	CUT-OUT DIMENSION	WEIGHT (-LESS) TILEBRIDGE
FAP82T	70 WATTS XFMR LTD.	1.9, 3.8, 7.5, 15, 30 & 60W	55Hz -20kHz	90dB Average	8" W/ Polypropylene Cone & SBR Surround	21 oz (580g)	Coaxially Mounted PEI Dome Tweeter	15.75" (400mm) Bezel Diameter, 12.75" (324mm) Overall Height	14" (356mm)	13.9 lbs (6.3kg)

Specifications subject to change without notice

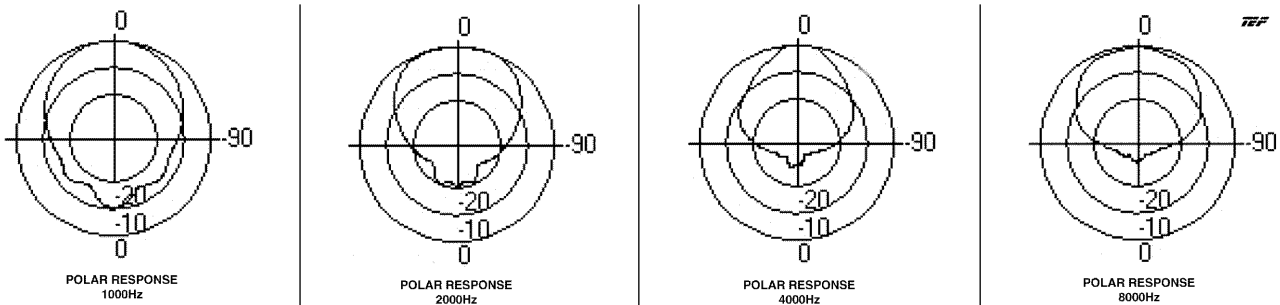


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FAP82T Polars



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MOUNTING

Mounting is simplified with Strategy style "dog leg" tabs that allow easy installation into drop tile or drywall ceilings with provided tile bridge assembly. The tile bridge consists of (2) V shaped mounting rails and a C-ring assembly. The C-ring can be attached to the rails with the screws provided to extend support to the t-bar grid in suspended ceiling applications. Multiple hole locations are provided to allow the C-ring to be positioned to the outer edge the tile if necessary.

For existing drywall applications the tile bridge C-ring and support rails can be inserted into the hole cut for the FAP82T. For easy positioning the V shaped support rails match the shape of the C-ring tabs for easy maneuvering and location when working "blindly" above the deck

A uniquely designed "easy access" input panel on the side of the enclosure allows for "thru" conduit runs using flexible or rigid conduit. Below this cover resides a detachable Phoenix style locking four-pole connector, which provides for easy daisy chain wiring.

The package includes an attractive press-fit grille, which nicely matches contemporary architecture.

For new construction drywall ceiling applications, the optional FAP82-TR trim ring is available. This unit provides a marked location for drywall installers to cut around essentially reserving the desired location in the ceiling until final installation of FAP82T. Mounting holes are provided to accommodate 16" or 24" OC stud/joist mounting.

With the FAP82T, Atlas Sound has addressed, pendant mounting, for open ceiling applications. An eyebolt assembly is included with the package allowing suspension of the FAP82T with load rated cable or "all thread". The enclosure is finished white to match the bezel ring for better blend in open ceiling applications. Please note that the enclosure/bezel ring may also be painted to accommodate custom finishes when required.

SPEAKER SYSTEMS SUSPENDED OVERHEAD POSE A RISK OF SERIOUS INJURY OR DEATH IF THEY FALL.

Overhead suspension of any object (rigging) is inherently dangerous. It poses a substantial risk of injury or death to both those persons performing the installation and those persons who may later occupy the space under the suspended objects. You may be held liable for any injury or damages which may be alleged to result from improper installation.

IF YOU ARE NOT EXPERIENCED IN RIGGING OR SUSPENSION OF SPEAKER SYSTEMS, OR IF YOU HAVE ANY DOUBT THAT YOU ARE QUALIFIED TO INSTALL SUSPENDED SPEAKER SYSTEMS, DO NOT PROCEED.

Instead, you should obtain the services of properly qualified personnel to complete the installation.

NEVER SUSPEND THE SPEAKER SYSTEM BY ANY ATTACHMENT EXCEPT THE PROVIDED SUSPENSION POINT.

The eyebolt can also be used with an auxiliary support cable in drop tile installations. **NOTE:** it is MANDATORY that the secondary support be utilized in drop ceilings for safety and seismic considerations).

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker system shall be Atlas Sound FAP82T. System shall include a high performance 8" coaxial loudspeaker, ported bass reflex enclosure and press-fit grille for conventional ceiling installation.

Frequency response for the system shall be 55Hz to 20kHz (± 5 dB). Sensitivity shall be 90dB average.

Loudspeaker shall be comprised of an 8" coaxial cone type driver. Cone shall be constructed of polypropylene with a butyl rubber surround. The 19mm tweeter shall be constructed of PEI Magnet shall be a minimum of 21oz. (595g) and the voice coil diameter shall be 1" (25mm).

Transformer shall be (70.7/100V) volt type with 1.9, 3.8, 7.5, 15, 30 and 60 watt primary taps (@70.7V) with a front mounted tap selector switch. This tap selector switch shall also include a transformer bypass setting for instances where the 8 ohm FAP82T driver is to be direct coupled with a low impedance amplifier.

Enclosure shall be a deep drawn steel enclosure design acoustically treated with fiberglass lining. Internal volume shall be 937 cubic inches. To facilitate connection in conduit systems, enclosure shall be equipped with an access panel covering a recessed terminal cup. This cover shall provide a combination in (19mm inside diameter) / 1" (25mm inside diameter) knock-out on the side access and a top access compression fitting/strain relief to facilitate flexible conduit up to 22mm outside diameter or 1 in (25mm inside diameter) conduit when the compression fitting is removed.

External wiring shall be accomplished via a removable lockable wiring connector with screw-down terminals to provide both secure wire termination and pre-wiring capability before loudspeaker installation. The 4 pole locking connector shall facilitate in/out connections and shall be located in the recessed area behind the conduit access panel.

A 1/4"-20 drop forged eyebolt factory installed into a insert on top of enclosure for additional suspension point when used in drop tile ceilings or for pendant mounting.

Construction of enclosure shall be a minimum of 18 gauge deep drawn metal finished in white epoxy.

The system shall include a support backing plate to reinforce the ceiling material and tile support rails for use on either 2' x 4' (609mm x 1219mm) or 2' x 2' (609 x 609 mm) suspended ceiling tiles. This assembly can all be installed from beneath the ceiling tile.

Overall front face diameter shall not exceed 15.75" (400mm); overall height shall not exceed 11.5" (292mm), 12.75" (324mm) including factory-installed eyebolt.

Grilles shall be press-fit, manufactured from 24 gauge perforated steel mesh and finished in white epoxy. Round grille shall be 13.67" (347mm) diameter.

The loudspeaker shall weigh no more than 13.9 lbs (6.3kg)

The loudspeaker shall be the Atlas Sound FAP82T.

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